# PALM INTRANET

Day: Wednesday Date: 7/23/2003 Time: 14:59:42

# **Inventor Name Search Result**

Your Search was:

Last Name = MURAKAMI First Name = KATSUYA

Application#	Patent#	Status	Date Filed	Title '	Inventor Name
29155824	D466918	150	02/20/2002	TONER SUPPLYING CARTRIDGE FOR PHOTOCOPIER	MURAKAMI, KATSUYA
<u>29104017</u>	D422303	150	04/27/1999	TONER SUPPLYING CARTRIDGE FOR PHOTOCOPIER	MURAKAMI , KATSUYA
10429696	Not Issued	019	05/06/2003	SEALING MEMBER, TONER ACCOMMODATING CONTAINER AND IMAGE FORMING APPARATUS	MURAKAMI, KATSUYA
10262058	Not Issued	020	10/02/2002.	TONER SUPPLY CONATINER DETACHABLY MOUNTABLE TO A MAIN ASSEMBLY OF AN ELECTROGRAPHIC IMAGE FORMING APPARATUS AND A SEALING MEMBER USABLE WITH THE TONER SUPPLY CONTAINER	MURAKAMI, KATSUYA
10076430	Not Issued	030	02/19/2002	SEALING MEMBER, TONER ACCOMMODATING CONTAINER AND IMAGE FORMING APPARATUS	MURAKAMI, KATSUYA
10040763	Not Issued	030	01/09/2002	CLEANING AND REMANUFACTURING METHODS FOR DEVELOPING CONTAINER	MURAKAMI, KATSUYA
10004876	Not Issued	093	12/07/2001	TONER SUPPLY CONTAINER AND STIRRING ROTATION MEMBER	MURAKAMI, KATSUYA
<u>09926317</u>	Not Issued	041	10/12/2001	PRODUCT WITH CONDUCTING PARTS MADE OF HIGHLY CONDUCTIVE RESIN, AND METHOD OF MANUFACTURE THEREOF	MURAKAMI, KATSUYA

09900944	6493516	150	07/10/2001	TONER CONTAINER AND METHOD OF DETERMINING ABNORMALITY OF TONER CONTAINER	MURAKAMI, KATSUYA
09697715	6418290	150	10/27/2000	DEVELOPER AGITATING SHEET AND DEVELOPER CONTAINER	MURAKAMI, KATSUYA
09523311	6314261	150	03/10/2000	TONER CONTAINER AND TONER REPLENISHING MECHANISM	MURAKAMI, KATSUYA
09433946	<u>6278853</u>	150	11/04/1999	RECYCLING METHOD OF TONER CONTAINER	MURAKAMI ; KATSUYA
09099536	6128453	150	06/18/1998	TONER SUPPLY CONTAINER DETACHABLY MOUNTABLE TO A MAIN ASSEMBLY OF AN ELECTROPHOTOGRAPHIC IMAGE FORMING APPARATUS AND A SEALING MEMBER USABLE WITH THE TONER SUPPLY CONTAINER.	MURAKAMI, KATSUYA
08705675	5650056	150	08/30/1996	METHOD OF AND APPARATUS FOR REMOVING METAL CONTAINED IN SOLUTION AND SURFACTANT HAVING CHELATING ABILITY AND USED SUITABLY FOR THE SAME	MURAKAMI , KATSUYA
<u>08705674</u>	5665243	150	08/30/1996	METHOD FOR REMOVING METAL CONTAINED IN SOLUTION USING SURFACTANT HAVING CHELATING ABILITY	MURAKAMI , KATSUYA
<u>08705611</u>	Not Issued	161	08/30/1996	il :	MURAKAMI , KATSUYA
08527206	5587060	150	:1	METHOD OF REMOVING METAL CONTAINED IN SOLUTION	MURAKAMI , KATSUYA
06556161	4594449	150		PROCESS FOR PRODUCING TEREPHTHALIC ACID SUITABLE FOR USE IN	MURAKAMI , KATSUYA

		DIRECT POLYMERIZATION							
Inventor Search Completed: No Records to Display.									
	Last Name	First Name							
Search Another:	murakami	katsuya							
Inventor		Search							

To go back use Back button on your browser toolbar.

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# WEST

**Generate Collection** 

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# Search Results - Record(s) 1 through 9 of 9 returned.

1. Document ID: US 20020088138 A1

L3: Entry 1 of 9

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020088138

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020088138 A1

TITLE: Cleaning and remanufacturing methods for developing container

PUBLICATION-DATE: July 11, 2002

INVENTOR - INFORMATION:

NAME CITY STATE COUNTRY RULE-47 Toride-shi Murakami, Katsuya JP Nagatsuma, Mamoru Kitasohma-gun JΡ Suzuki, Teruo Mitsukaidoh-shi JP Nishimura, Kouzou Toride-shi JΡ

US-CL-CURRENT: 34/437; 34/380, 34/487

ABSTRACT:

A <u>cleaning</u> method for <u>cleaning</u> a <u>developer container</u> includes a step of <u>blowing air</u> through an opening formed in the <u>developer container</u> at a first flow rate; a step of sucking air through the opening at a second flow rate which is larger than the first flow rate; wherein while the blowing and suction steps are being simultaneously carried out, ambient air is permitted to enter the <u>developer container</u> through an ambient air inlet.

			***************************************										-
Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Desc	Image

2. Document ID: US 6319646 B1

L3: Entry 2 of 9

File: USPT

Nov 20, 2001

US-PAT-NO: 6319646

DOCUMENT-IDENTIFIER: US 6319646 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Carrier for electrophotographic developer, method for manufacturing, <u>developer</u>, <u>container</u> including the developer, and image forming apparatus using the developer wherein the carrier satisfies the relationship 1.0.ltoreq.C2/C1.ltoreq.1.3

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE , COUNTRY

Suganuma; Tohru Numazu Jp

US-CL-CURRENT: 430/111.4; 430/111.35, 430/137.13

#### ABSTRACT:

A carrier for electrophotographic developer, including a magnetic core material whose surface is coated with a resin, wherein the carrier satisfies the following relationship:

#### 1.0.ltoreq.C2/C1.ltoreq.1.3

wherein C1 represents a charge quantity of a developer (1) including the carrier and a first toner after the developer (1) is subjected to a frictional charge treatment once, wherein concentration of the first toner in the developer (1) is 3% by weight; and C2 represents a charge quantity of a developer (2) including the carrier, which has been separated from the developer (1) subjected to the frictional charge treatment, and a second toner when the charge quantity is measured after the developer (2) is subjected to the frictional charge treatment once, wherein concentration of the second toner in the developer (2) is 3% by weight, wherein the first and second toner are the same or different.

26 Claims, 1 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 1

1	Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	EVMC	Draw Desc	Image

3. Document ID: US 5669036 A

L3: Entry 3 of 9 File: USPT Sep 16, 1997

US-PAT-NO: 5669036

DOCUMENT-IDENTIFIER: US 5669036 A

\*\* See image for Certificate of Correction \*\*

TITLE: Image forming method

DATE-ISSUED: September 16, 1997

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY
Hotta; Yozo Yokohama JP
Goto; Masahiro Yokohama JP
Miyamoto; Toshio Yokohama JP

US-CL-CURRENT: 399/53; 399/58

#### ABSTRACT:

An image forming method is disclosed in which an optical image is formed on an electrostatic latent image bearing member, and its light intensity is modulated in accordance with image information to form an electrostatic latent image, and then development is performed. At the time of formation of an electrostatic latent image formed of the smallest isolated dots on the electrostatic latent image bearing member, the charge density distribution, weight average particle diameter of a toner, and Q/M distribution of the toner satisfy the relationship of: ##EQU1##

8 Claims, 4 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 3

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMIC Draw Desc Image

4. Document ID: US 5485249 A

L3: Entry 4 of 9

File: USPT

Jan 16, 1996

US-PAT-NO: 5485249

DOCUMENT-IDENTIFIER: US 5485249 A

\*\* See image for Certificate of Correction \*\*

TITLE: Process cartridge frame, process cartridge and image forming apparatus

DATE-ISSUED: January 16, 1996

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Higeta; Akira Funabashi JP Codagawa; Kazuyoshi Koshigaya JP Sasaki; Shinichi Fujisawa JP

US-CL-CURRENT: 399/105; 399/110, 399/279

#### ABSTRACT:

A frame for a process cartridge, which is detachably mountable to an electrophotographic image forming apparatus and which comprises an electrophotographic photosensitive member and a process device or devices actable on the electrophotographic photosensitive member. The frame includes a base member having a mounting portion for mounting the process device or devices and an elastic sealing member for preventing leakage of a developer from the process cartridge when the process cartridge is assembled, wherein the base member and the elastic sealing member are integrally molded.

40 Claims, 27 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 13

Full	Title	Citation	Front	Review	Classitication	Date	Reference	Sequences	Attachments

EWIC Draw Desc Image

5. Document ID: US 5442426 A

L3: Entry 5 of 9

File: USPT

Aug 15, 1995

US-PAT-NO: 5442426

DOCUMENT-IDENTIFIER: US 5442426 A

TITLE: Wet type electro-photographic recording apparatus

DATE-ISSUED: August 15, 1995

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY Yamamura; Takashi TP Kanagawa Namiki; Kazunori Kanagawa JP Kobashi; Toshiya Yokohama JP Horiuchi; Ryuji JP Kanagawa

US-CL-CURRENT: 399/241; 399/249

ABSTRACT:

The present invention discloses a wet type electro-photographic recording apparatus

having a simple structure and a high quality without uneven density, and capable of miniaturizing the apparatus. Around a rotary drum, an exposing section, a pre-bath treatment portion and a developing portion are disposed. The exposing section is disposed on an upstream region in a rotating direction of the rotary drum with respect to a lower extreme position of the rotary drum, and in an upper portion of the rotary drum. The pre-bath treatment portion is disposed at a position between the upper portion where the exposing section is disposed and the lower extreme position of the rotary drum. The pre-bath treatment portion has at least a supply section provided at a high level position for dropping pre-bath liquid and a pre-bath coating section provided in a lower level position for coating the dropped pre-bath liquid on the electro-photograph recording sheet, whereby the electro-photographic recording is pre-bathed by using the high insulating liquid having phase solubility with electrically insulating liquid used as a wet type developer. The developing section having a developing electrode is disposed substantially close to the rotary drum and in an upstream in the rotating direction of the rotary drum with respect to the lower extreme position of the rotary drum.

20 Claims, 34 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 29

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KWIC Draw Desc Image

6. Document ID: US 4485761 A

L3: Entry 6 of 9

File: USPT

Dec 4, 1984

US-PAT-NO: 4485761

DOCUMENT-IDENTIFIER: US 4485761 A

TITLE: Apparatus for treating work pieces

DATE-ISSUED: December 4, 1984

INVENTOR-INFORMATION:

NAME

CITY

STATE ZIP CODE

COUNTRY

Stewart; Donald G.

High Wycombe

GB2

US-CL-CURRENT: <u>118/702</u>; <u>118/426</u>, <u>118/704</u>, <u>134/58R</u>, <u>134/77</u>

#### ABSTRACT:

Apparatus for treating a plurality of work pieces at spaced apart treatment stations 19 arranged around a circle comprises a conveyor 8 that is a horizontal ring and that is mounted on supports 5 connected to an outer housing for rotation about its vertical axis by a drive 10, and hangers 12 mounted on the ring 8 and including reciprocating means 15 by which a work piece 13 may be lowered into or raised from a treatment station 19. The apparatus is useful for conducting inspection penetrant treatment processes and other processes.

9 Claims, 4 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 4

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments

KWIC Draw Desc Image

7. Document ID: US 4373469 A

L3: Entry 7 of 9

File: USPT

Feb 15, 1983

US-PAT-NO: 4373469

DOCUMENT-IDENTIFIER: US 4373469 A '

\*\* See image for Certificate of Correction \*\*

TITLE: Apparatus for developing electrostatic latent images

DATE-ISSUED: February 15, 1983

INVENTOR-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY JP Kuge; Tsukasa Tokyo Matsumoto; Toru Kita JP Watanabe; Tsuyoshi Kawasaki JP Tamura; Yasuyuki Kawasaki JP

US-CL-CURRENT: 399/246; 399/249, 430/113, 430/114, 430/117

#### ABSTRACT:

An apparatus for developing electrostatic latent images includes an applicator for applying a developer, containing a high concentration of developer particles, uniformly over both the image and non-image areas of a latent image bearing surface, and a developing device including a liquid reservoir and an elastic roller including a core shaft, a porous elastic inner layer on the core shaft, and a flexible and permeable sleeve-like net covering the inner layer. Liquid from the reservoir is applied by the roller to the image bearing surface to remove developer particles not attracted thereto by coulomb force to thereby form the developed image. Marginal effect in the developed image is eliminated by making at least one of the inner layer or net electrically conductive.

4 Claims, 9 Drawing figures Exemplary Claim Number: 1 Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classitication	Date	Reference	Sequences	Attachments	EMIC	Dram Desc	Image
						77.						1000

8. Document ID: US 4185129 A

L3: Entry 8 of 9 File: USPT Jan 22, 1980

US-PAT-NO: 4185129

DOCUMENT-IDENTIFIER: US 4185129 A

\*\* See image for Certificate of Correction \*\*

TITLE: Method for developing electrostatic latent images and removal of excess developer

DATE-ISSUED: January 22, 1980

INVENTOR - INFORMATION:

NAME CITY ZIP CODE COUNTRY STATE Kuge; Tsukasa Tokyo JP Matsumoto; Toru Kita JP Watanabe; Tsuyoshi Kawasaki JP Tamura; Yasuyuki Kawasaki JP

US-CL-CURRENT: 427/117; 134/36, 430/120, 430/97

ABSTRACT:

A method for developing electrostatic latent images comprises a first step of supplying

uniformly a developer containing developing particles onto an electrostatic latent image carrying surface and a second step of supplying liquid onto the latent image carrying surface to remove any excess developer from the surface while leaving on the surface only such developing particles that are able to be retained as a result of the relative attraction between the developing particles and the electrostatic latent image so as to visualize the latent image. Apparatus for carrying out the method comprises a developing particle applying means and a liquid supplying means. The developing particle applying means is disposed to effect a uniform adhesion of developing particles onto an electrostatic latent image carrying surface. The liquid supplying means supplies a liquid onto the surface in such a manner that on the surface there remains only such developing particles that are able to be retained as a result of the relative attraction between the particles and the electrostatic latent image and all excess developing particles are removed from the surface.

11 Claims, 9 Drawing figures Exemplary Claim Number: 1,2,4,5 Number of Drawing Sheets: 5

Full Title Citation Front Review Classification Date Reference Sequences Attachments

RMC Draw Desc Image

9. Document ID: JP 2002207365 A US 20020088138 A1

L3: Entry 9 of 9

File: DWPI

Jul 26, 2002

DERWENT-ACC-NO: 2002-681657

DERWENT-WEEK: 200273

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TITLE: <u>Cleaning</u> method for <u>developer container</u>, involves simultaneously performing blowing and suction steps such that ambient air is permitted to enter the <u>developer</u> container through ambient air inlet

INVENTOR: MURAKAMI, K; NAGATSUMA, M ; NISHIMURA, K ; SUZUKI, T

PRIORITY-DATA: 2001JP-0001466 (January 9, 2001)

PATENT-FAMILY:

 PUB-NO
 PUB-DATE
 LANGUAGE
 PAGES
 MAIN-IPC

 JP 2002207365 A
 July 26, 2002
 022
 G03G015/08

 US 20020088138 A1
 July 11, 2002
 040
 F26B003/00

INT-CL (IPC):  $\underline{B08}$   $\underline{B}$   $\underline{5/02}$ ;  $\underline{B08}$   $\underline{B}$   $\underline{5/04}$ ;  $\underline{B65}$   $\underline{D}$   $\underline{83/04}$ ;  $\underline{B65}$   $\underline{D}$   $\underline{83/06}$ ;  $\underline{F26}$   $\underline{B}$   $\underline{3/00}$ ;  $\underline{F26}$   $\underline{B}$   $\underline{7/00}$ ;  $\underline{G03}$   $\underline{G}$   $\underline{15/08}$ 

Full Title Citation Front Review Classification Date Reference Sequences Attachments

KMC Draw Desc Clip Img Image

Generate Collection

Print

Term	Documents
BLOWING	174880
BLOWINGS	166
AIR	2316681
AIRS	1454
(2 AND (BLOWING ADJ AIR)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	9
(L2 AND (BLOWING AIR)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	9

<b>Display Format:</b>	-	Change Format
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## **End of Result Set**

Generate Collection Print

L3: Entry 9 of 9

File: DWPI

Jul 26, 2002

DERWENT-ACC-NO: 2002-681657

DERWENT-WEEK: 200273

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TITLE: Cleaning method for developer container, involves simultaneously performing blowing and suction steps such that ambient air is permitted to enter the developer container through ambient air inlet

#### Basic Abstract Text (1):

NOVELTY - The method involves <u>blowing air</u> through an opening formed in a <u>developer container</u> at a first flow rate, and sucking air through the opening at a second flow rate which is larger than the first flow rate. The blowing and suction steps are simultaneously performed such that ambient air is permitted to enter the <u>developer</u> container through an ambient air inlet.

## Basic Abstract Text (2):

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a recycling method for developer container.

#### Basic Abstract Text (3):

USE - For cleaning developer container.

## Basic Abstract Text (4):

ADVANTAGE - Ensures efficient removing of foreign substances e.g. unwanted developer in a developer supply container, without deforming the developer supply container during cleaning.

# WEST

## **End of Result Set**

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L3: Entry 9 of 9

File: DWPI

Jul 26, 2002

DERWENT-ACC-NO: 2002-681657

DERWENT-WEEK: 200273

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TITLE: <u>Cleaning</u> method for <u>developer container</u>, involves simultaneously performing blowing and suction steps such that ambient air is permitted to enter the <u>developer</u> container through ambient air inlet

INVENTOR: MURAKAMI, K; NAGATSUMA, M; NISHIMURA, K; SUZUKI, T

PATENT-ASSIGNEE: CANON KK (CANO), NIPPON TYPEWRITER KK (NIUC)

PRIORITY-DATA: 2001JP-0001466 (January 9, 2001)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE PAGES MAIN-IPC
JP 2002207365 A July 26, 2002 ' 022 G03G015/08
US 20020088138 A1 July 11, 2002 040 F26B003/00

APPLICATION-DATA:

PUB-NO APPL-DATE APPL-NO DESCRIPTOR

JP2002207365A January 9, 2001 2001JP-0001466 US20020088138A1 January 9, 2002 2002US-0040763

INT-CL (IPC):  $\underline{B08}$   $\underline{B}$   $\underline{5/02}$ ;  $\underline{B08}$   $\underline{B}$   $\underline{5/04}$ ;  $\underline{B65}$   $\underline{D}$   $\underline{83/04}$ ;  $\underline{B65}$   $\underline{D}$   $\underline{83/06}$ ;  $\underline{F26}$   $\underline{B}$   $\underline{3/00}$ ;  $\underline{F26}$   $\underline{B}$   $\underline{7/00}$ ;  $\underline{G03}$   $\underline{G}$   $\underline{15/08}$ 

ABSTRACTED-PUB-NO: US20020088138A BASIC-ABSTRACT:

NOVELTY - The method involves <u>blowing</u> air through an opening formed in a <u>developer</u> <u>container</u> at a first flow rate, and sucking air through the opening at a second flow rate which is larger than the first flow rate. The blowing and suction steps are simultaneously performed such that ambient air is permitted to enter the <u>developer</u> <u>container</u> through an ambient air inlet.

 ${\tt DETAILED\ DESCRIPTION\ -\ An\ INDEPENDENT\ CLAIM\ is\ also\ included\ for\ a\ recycling\ method\ for\ developer\ container.}$ 

USE - For cleaning developer container.

ADVANTAGE - Ensures efficient removing of foreign substances e.g. unwanted developer in a developer supply container, without deforming the developer supply container during cleaning.

DESCRIPTION OF DRAWING(S) - The figure shows the vertical sectional view of the electrophotographic copier, into which a toner supply container is mounted.

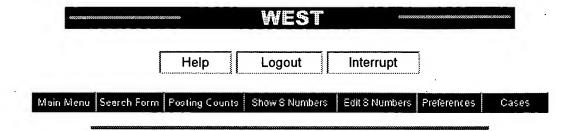
ABSTRACTED-PUB-NO: US20020088138A

**EQUIVALENT-ABSTRACTS:** 

CHOSEN-DRAWING: Dwg.1/28

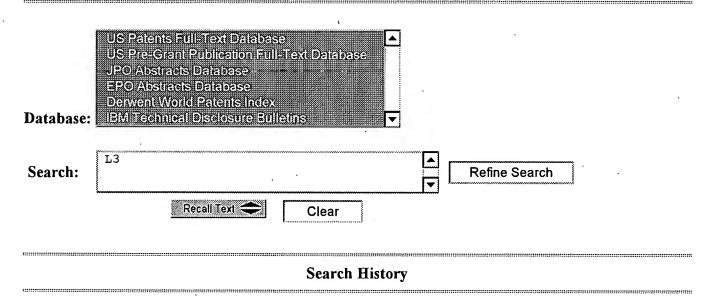
DERWENT-CLASS: P43 P84 Q34 Q76 S06 T04 W02

EPI-CODES: S06-A04A1; S06-A10A; T04-G04; W02-J02B;



## Search Results -

Term .	Documents
BLOWING	174880
BLOWINGS	<sup>-</sup> 166
AIR	2316681
AIRS ·	1454
(2 AND (BLOWING ADJ AIR)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	9
(L2 AND (BLOWING AIR)).USPT,PGPB,JPAB,EPAB,DWPI,TDBD.	9



DATE: Wednesday, July 23, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count S	Set Name result set
•	PAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ	ī	result set
DD = USI I, I UI D, J	TAD,ETAD,DWT1,1DDD, TEOK-TES, OF-ADJ		
<u>L3</u>	L2 and (blowing air)	· 9	<u>L3</u>
<u>L2</u>	L1 and cleaning	859	<u>L2</u>
<u>L1</u>	developer container	2591	. <u>L1</u>

**END OF SEARCH HISTORY** 

# **WEST Search History**

DATE: Wednesday, July 23, 2003

Set Name side by side	Query	Hit Count	Set Name result set
DB = USPT, PGF	PB,JPAB,EPAB,DWPI,TDBD; PLUR=YI	ES; OP=ADJ	
L3	L2 and (blowing air)	. 9	L3
L2	L1 and cleaning	859	L2
L1	developer container	2591	L1

END OF SEARCH HISTORY